

The Director, Ophthalmic Hospitals of Egypt, on behalf of Dr. Shahin Pasha, the Under Secretary of State, Department of Public Health, begs to present with best compliments this copy for the Thirteenth International Ophthalmological Congress.



MINISTRY OF THE INTERIOR, EGYPT.

---

Department of Public Health.

---

**SIXTEENTH**  
**ANNUAL REPORT OF THE**  
**OPHTHALMIC SECTION, 1928.**

---


**Government Press, Cairo, 1929.**

---


Government Publications are on sale at the "Sale Room",  
Ministry of Finance. Correspondence relating to these  
publications should be addressed to the "Publications  
Office," Government Press, Bûlâq, Cairo.

**Price - - - - - P.T. 10**





The following are the photos, of some Ophthalmic Units  
(Permanent and Travelling), which were possible to obtain locally  
with dates of their opening below each.









NO. 1 TRAVELLING OPHTHALMIC HOSPITAL  
(1904).



TANTA OPHTHALMIC HOSPITAL  
(1905).







ASYÛT OPHTHALMIC HOSPITAL  
(1911).

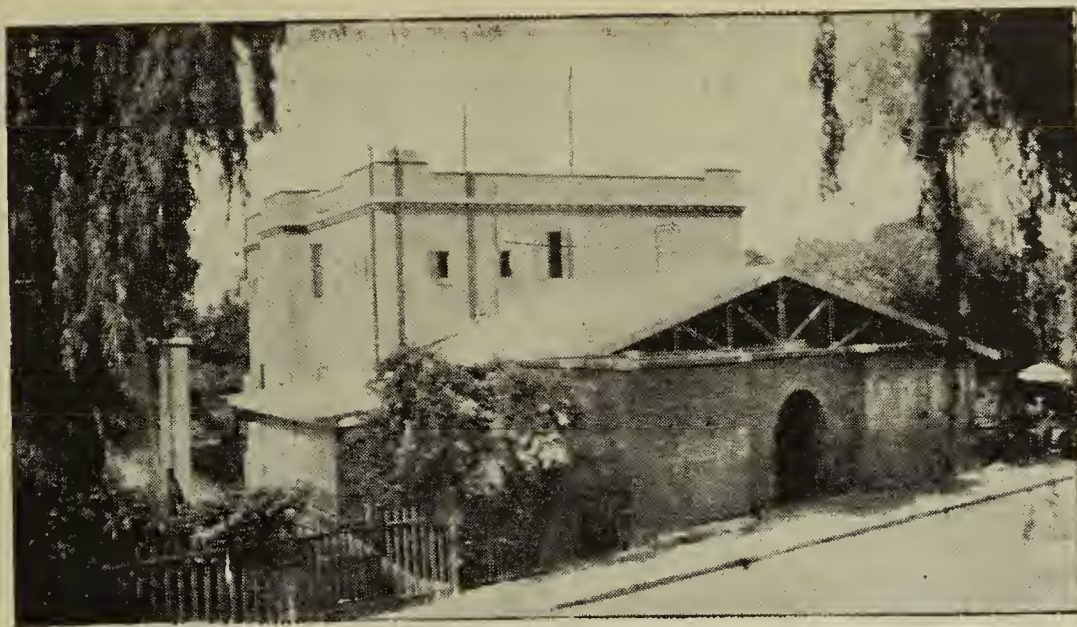


MANSOURA OPHTHALMIC HOSPITAL  
(1912).









BENI SUEF OPHTHALMIC HOSPITAL  
(1912).



ZAGAZIG OPHTHALMIC HOSPITAL  
(1913).



MEHALLA EL KUBRA OPHTHALMIC HOSPITAL  
(1913).







DAQAHLIYA TRAVELLING OPHTHALMIC HOSPITAL  
(1913).



DAMANHOUR OPHTHALMIC HOSPITAL  
(1914).

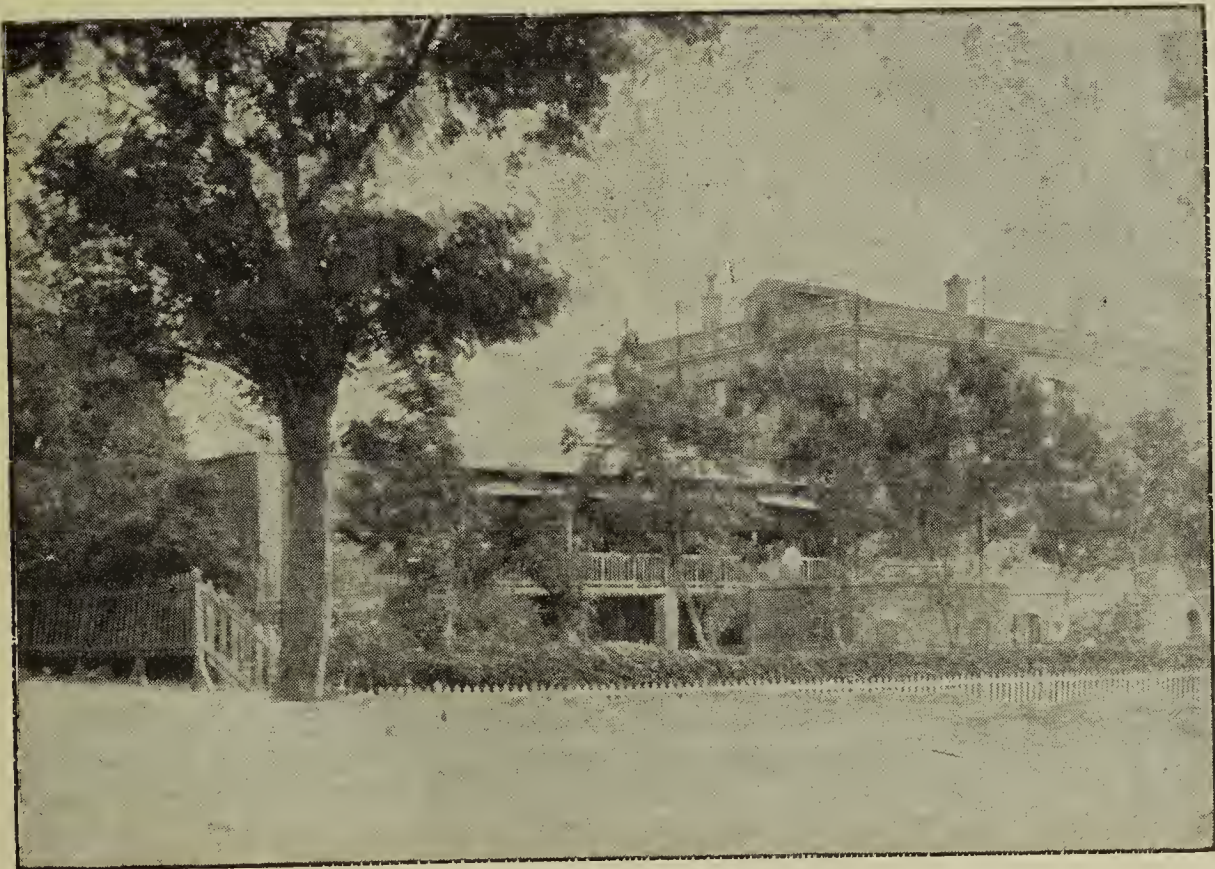








SHEBIN EL KOM OPHTHALMIC HOSPITAL  
(1914).



SOHAG OPHTHALMIC HOSPITAL  
(1914).







MINIA OPHTHALMIC HOSPITAL  
(1915).



SANTA OPHTHALMIC HOSPITAL  
(1915).

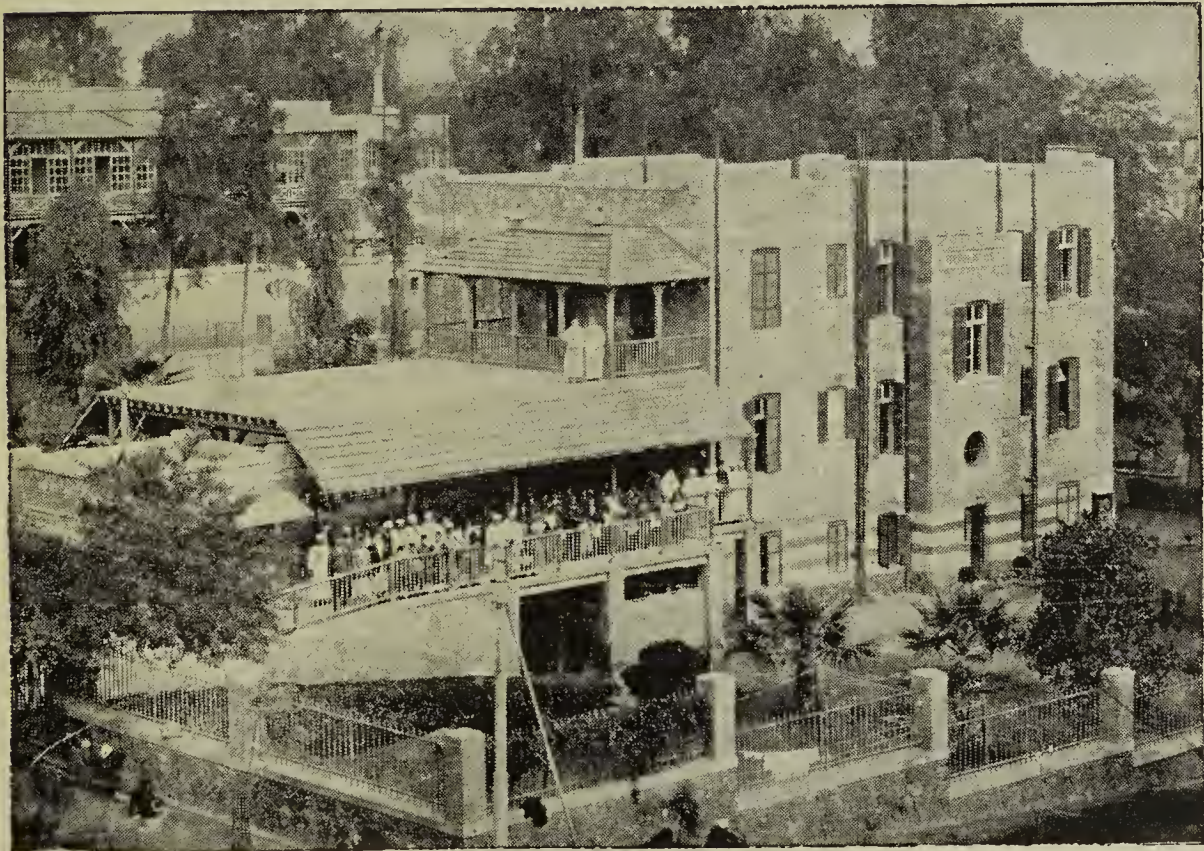








FAYOUM OPHTHALMIC HOSPITAL  
(1916).



BENHA OPHTHALMIC HOSPITAL  
(1920).





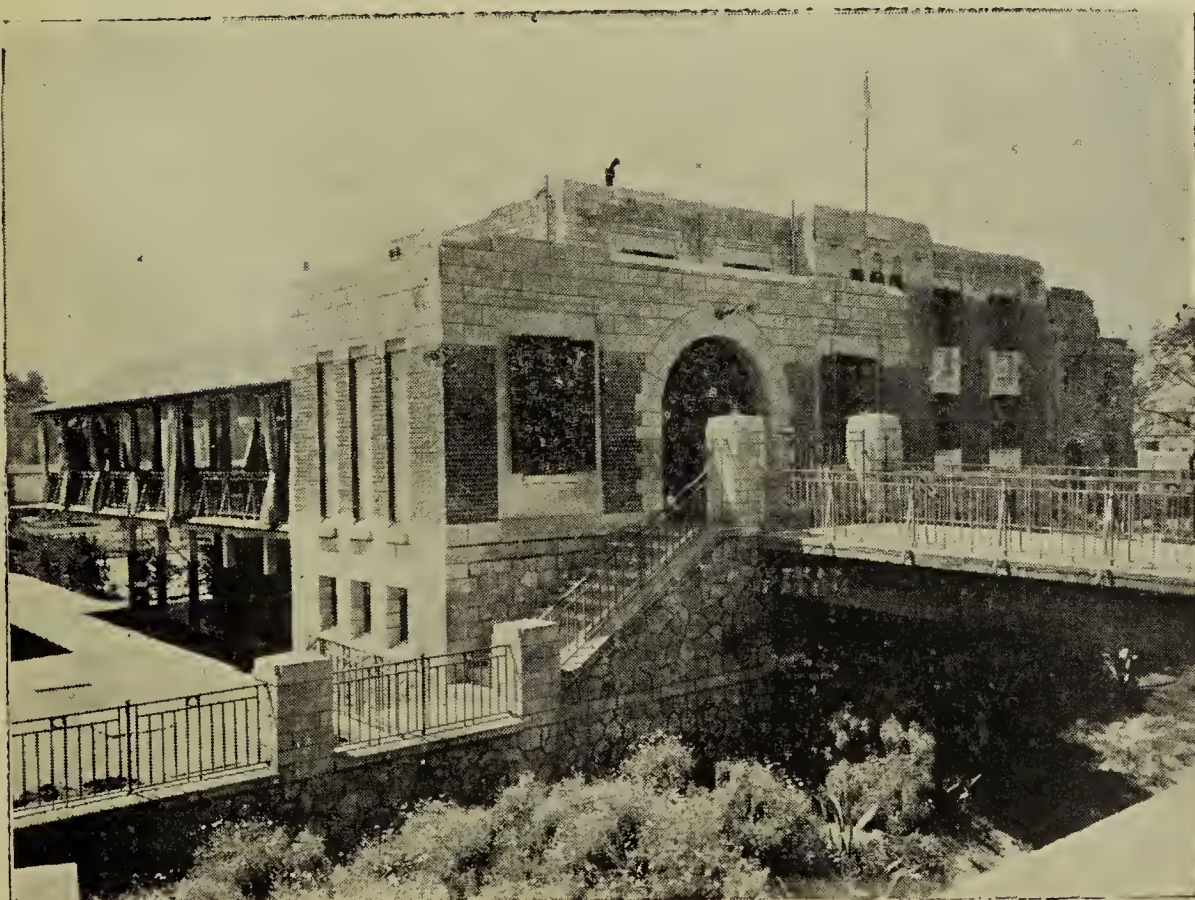




PORT SAID OPHTHALMIC HOSPITAL  
(1921).



QENA OPHTHALMIC HOSPITAL  
(1923).



FOUAD I OPHTHALMIC HOSPITAL, GIZA  
(1924).







SUEZ OPHTHALMIC HOSPITAL  
(1924).



NO. 4 TRAVELLING OPHTHALMIC HOSPITAL  
(1925).

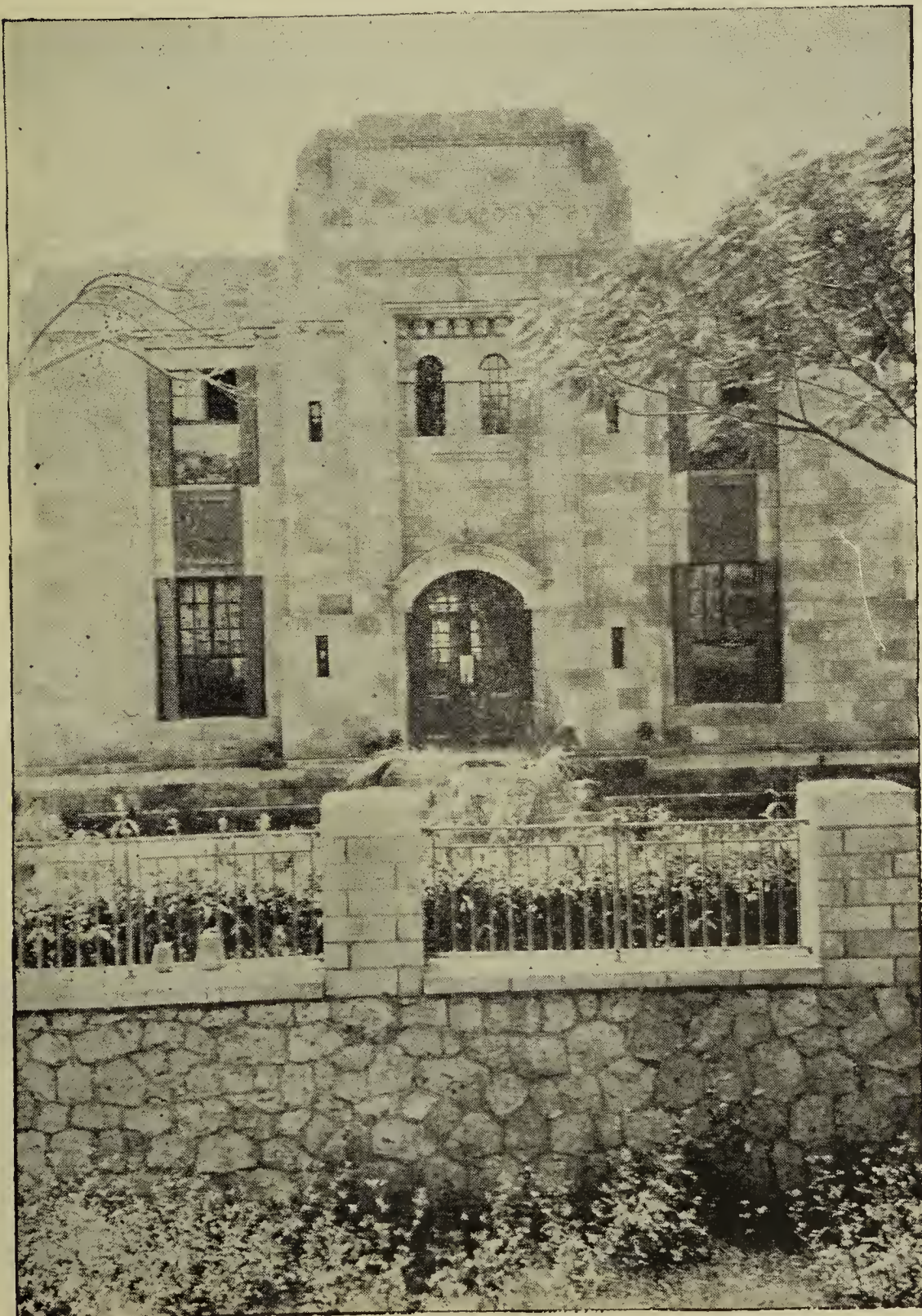








NO. 5 TRAVELLING OPHTHALMIC HOSPITAL  
(1925).



MEMORIAL OPHTHALMIC LABORATORY, GIZA  
(1925).







NO. 6 TRAVELLING OPHTHALMIC HOSPITAL  
(1927).



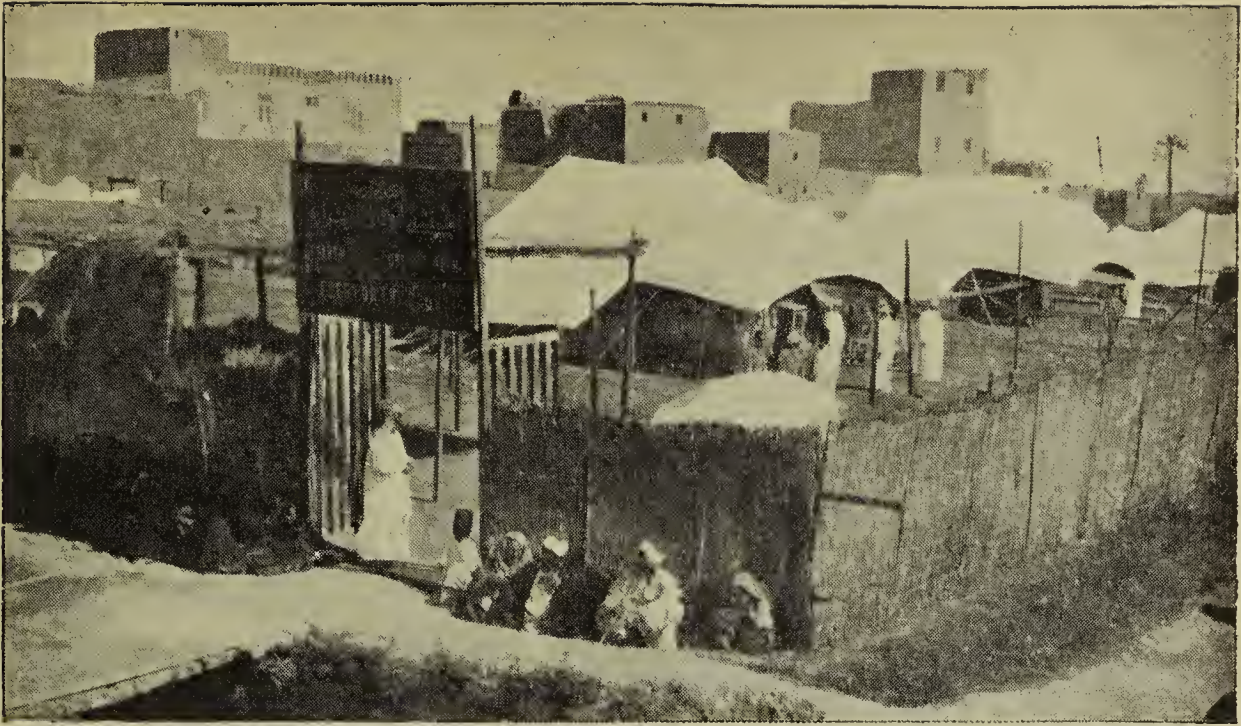
GHARBIA TRAVELLING OPHTHALMIC HOSPITAL  
(1927).



MAGHAGHA OPHTHALMIC HOSPITAL  
(1927).







No. 8 TRAVELLING OPHTHALMIC HOSPITAL  
(1928).



No. 9 TRAVELLING OPHTHALMIC HOSPITAL  
(1928).

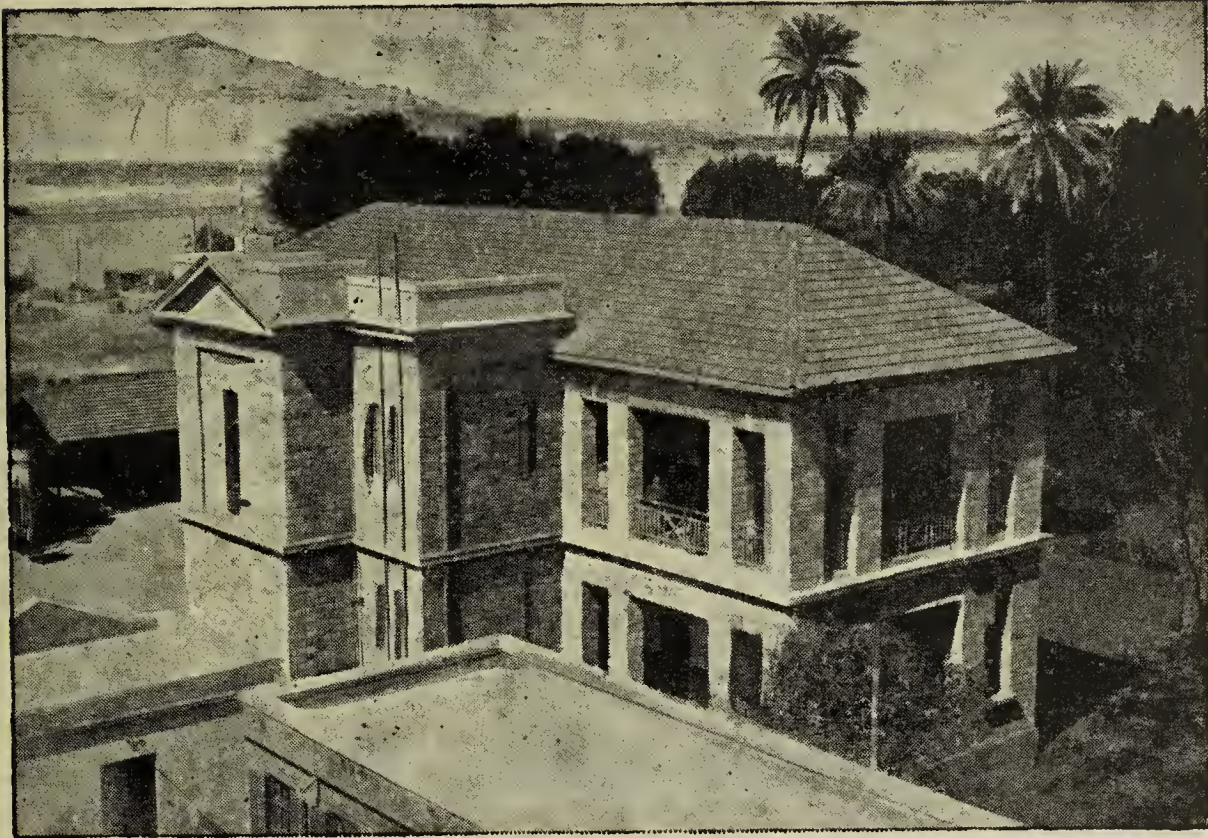


No. 10 TRAVELLING OPHTHALMIC HOSPITAL  
(1928).

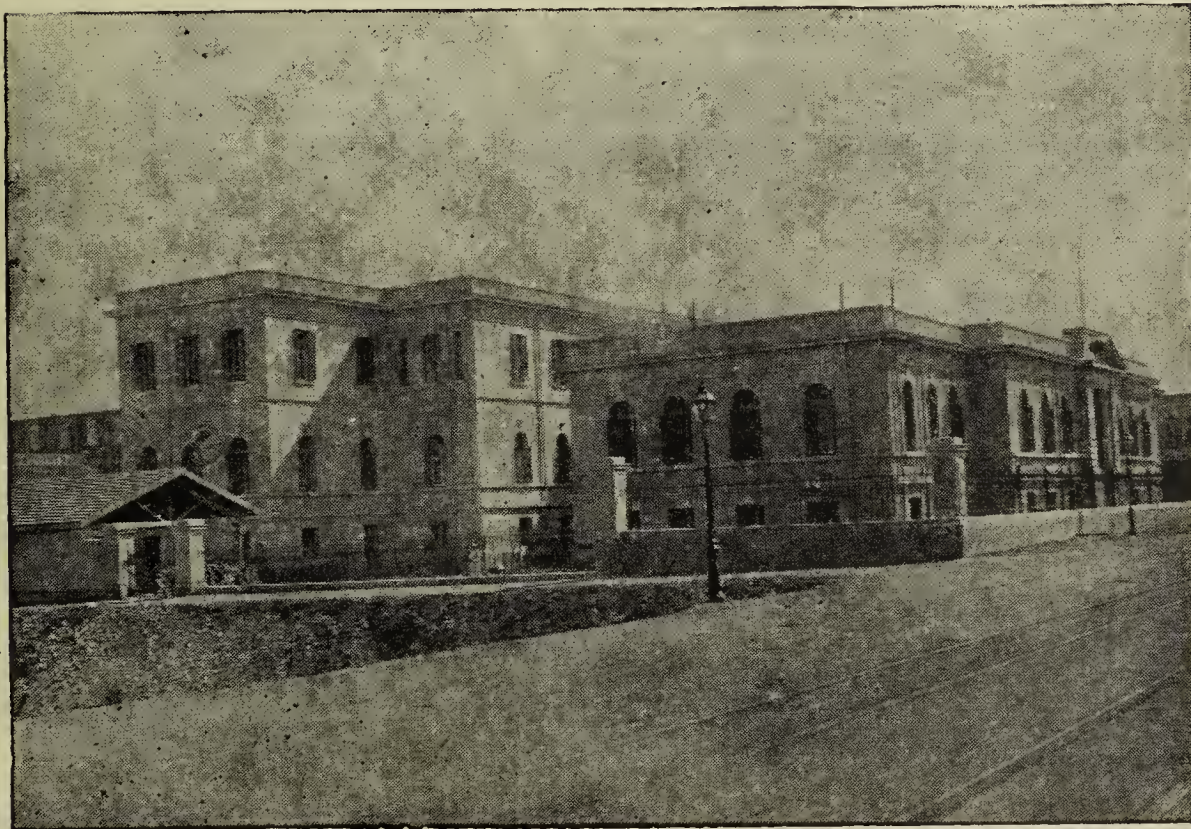








ASWAN OPHTHALMIC HOSPITAL  
(1929).



PRINCESS FAWKIA OPHTHALMIC HOSPITAL, ROD EL FARAG, CAIRO  
(1929).





# CONTENTS.

FOREWORD :—	PAGE
New Units ... ..	1
Clinical work ... ..	1
Blindness ... ..	1
Age of patients ... ..	1
School Clinics ... ..	1
Finance ... ..	2
Accommodation ... ..	2
Post graduate course of Ophthalmology ... ..	2
Diploma in Ophthalmology ... ..	2
Propaganda ... ..	2
El Arish Ophthalmic Mission ... ..	2
The Ophthalmological Society of Egypt ... ..	2
Interesting cases in 1928 ... ..	3

## HOSPITALS STATISTICS :—

### Table.

I—Technical work done at all Ophthalmic Hospitals ... ..	4
II—List of diseases ... ..	5
III—Causes of optic atrophy ... ..	9
IV—List of operations... ..	10
V—Number of new patients treated and operations performed at all Ophthalmic Hospitals during 1928 ... ..	12
VI—Average number of operations per month at all Ophthalmic Hospitals during the year 1928 ... ..	13
VII—New patients treated according to the age at which they sought treatment ..	13
VIII—New patients treated per month ... ..	14
IX—Temperature and number of new patients treated ... ..	15
X—Average temperature ... ..	17
XI—Synopsis of work of Ophthalmic Hospitals since 1925 ... ..	17
XII—Causes of blindness ... ..	17
XIII—Total percentage of blindness in one or both eyes ... ..	18
XIV—Blindness among out-patients since 1909 ... ..	20
XV—Yearly percentage of blindness among Ophthalmic Hospitals patients since 1909	20
XVI—Primary Glaucoma ... ..	20
XVII—Pathological Report ... ..	21
XVIII—Wassermann Test... ..	22
XIX—Result of examination for diphtheria specimens ... ..	22
XX—Number of beds at the Ophthalmic Hospitals ... ..	23
XXI—Cost of uniform diets for the in-patients of the Ophthalmic Hospitals during 1928, excluding cost of rations of employés ... ..	24
XXII—Sources of provision of Ophthalmic Hospitals ... ..	25
XXIII—Actual expenditure 1927-1928—Central Administration ... ..	26
XXIV—Actual expenditure 1927-1928—Government Ophthalmic Hospitals ... ..	26
XXV—Actual expenditure 1927-1928—Government Ophthalmic Hospitals (per unit) ...	27
XXVI—Actual expenditure 1927-1928—Provincial Council Ophthalmic Hospitals ... ..	27
XXVII—Comparison of the cost of maintenance of a permanent Ophthalmic Hospital in 1914 and 1928 ... ..	28

## SCHOOLS STATISTICS (SCHOOL SESSION 1928-1929) :—

### Table.

I— <i>a.</i> Condition of conjunctiva—beginning of the year... ..	29
I— <i>b.</i> Condition of conjunctiva—end of the year ... ..	30
II— <i>a.</i> Effect of treatment on serious stages of trachoma ... ..	31
II— <i>b.</i> Stages of trachoma at beginning and end of school year... ..	31
III— <i>a.</i> Trachoma and its relation to school years ... ..	32
III— <i>b.</i> Comparison of serious stages of trachoma I and II (beginning of the year)	33
IV—Vision of all pupils without spectacles ... ..	33
V—Spectacles ordered ... ..	34
VI—Number of pupils ordered spectacles who by use of spectacles not greater in strength than $\pm 6$ dioptries can get good or fair vision ... ..	35
VII—Condition of cornea before treatment ... ..	35
VIII—Comparison of corneal opacity among pupils of Tanta Primary School in the year 1914-1915 and 1928-1929 ... ..	35





# Report of the Ophthalmic Section, 1928.

## Foreword.

### NEW UNITS.

During 1928, four Government Travelling Ophthalmic Hospitals Nos. 8, 9, 10 and 11 as well as an Ophthalmic Branch at Fikria (Abu Kerkas) Government Hospital, were opened. Early in the beginning of 1929, an Ophthalmic Branch of Aswân General Hospital and a large Permanent Ophthalmic Hospital at Rod El Farag (Cairo), were also opened.

The number of Ophthalmic Units in the country till the end of 1928 reached 41 of which 27 are permanent and 14 travelling. This number shows an increase of 5 Ophthalmic Units over that of 1927, but in June 1929, time at which this report is prepared, the number of Ophthalmic Units reached 44 of which 30 are permanent and 14 travelling.

Another Ophthalmic Branch has also been established at Isna Government Hospital and will shortly be opened for treatment.

### CLINICAL WORK.

The following table shows the clinical work done in 1928 as compared with that of 1927:—

	1927	1928	Increase in 1928.
			Per cent.
New patients... ..	347,742	381,790	10
In-patients ... ..	10,810	12,967	20
Operations ... ..	158,989	171,487	8
Out-patients attendances ... ..	3,239,159	3,464,425	7

### BLINDNESS.

37,408 or 9·3 per cent of all patients examined were found blind in one or both eyes. This percentage is less than that of 1927 which was 9·8 per cent and it is satisfactory to mention that it is gradually falling since 1919.

The pathological causes of blindness are detailed in table 12 where it is shown that acute ophthalmias form about 79 per cent of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias, its percentage to total of microbes being 39 per cent.

### AGE OF PATIENTS.

Out of 381,790 new patients treated in 1928,—23,114 were under the age of one year or 6·1 per cent and 121,431 from one to fifteen years of age or 31·9 per cent. This fact shows that the mass of people recognise the importance of seeking ophthalmic treatment for infants and children.

### SCHOOL CLINICS.

Ophthalmic examination, inspection, and treatment are, at present, carried out at 30 primary Government schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

12,346 pupils were examined, of whom 91 per cent were found to be suffering from trachoma in its various stages. More than 21 per cent of these were in the serious stages of the disease: Trachoma I and II. As a result of Ophthalmic treatment, the latter percentage fell to 6 per cent.

Pupils of other 23 primary schools and kuttabs belonging to the Provincial Councils in Markazes (Districts), where permanent or travelling hospitals exist, received ophthalmic treatment at hospitals.

### FINANCE.

The annual cost of maintenance during the financial year 1927-1928, including the cost of administration and expense of ophthalmic clinics in primary schools amounted to L.E. 63,874 as shown in the detailed tables appended to this report which are significant of proper economical management. The expense per day for the out-patient was about 14·4 mills. The in-patient costs in addition about 33 mills. for his food.

The source of provision for all ophthalmic units is shown in table 22.

### ACCOMMODATION.

The number of beds in 1927 was 610. 111 beds were added to this number in 1928 of which 88 beds were in the new units and 23 in the other hospitals.

### POST-GRADUATE COURSE OF OPHTHALMOLOGY.

The number of medical officers undergoing post-graduate teaching in ophthalmology was 12 during April 1928 and 18 during October.

### DIPLOMA IN OPHTHALMOLOGY.

The diploma in Ophthalmology referred to in last year's report (1927) has now been sanctioned as one of the diplomas delivered by the Egyptian University.

### PROPAGANDA.

Although the Ophthalmic Hospitals are considered to be an important, but indirect, factor of propaganda against eye diseases, a direct means of propaganda is being used by the projection, throughout the country, of cinematographic films, illustrating all sorts of eye diseases, their methods of propagation, prophylaxis and treatment.

### EL ARISH OPHTHALMIC MISSION.

Owing to the prevalence of purulent ophthalmia among inhabitants of El Arish Governorate, at the north eastern frontiers of Egypt, an ophthalmic surgeon was detailed to this desert area for about two months which expired at the end of February 1928.

It is worthy of mention that out of 1,106 patients treated, there were only 677 or 61 per cent suffering from trachoma at various stages.

### THE OPHTHALMOLOGICAL SOCIETY OF EGYPT.

The annual meeting of this Society has been held on Friday March 29th, 1929, at Giza Memorial Ophthalmic Laboratory. The following are the titles of communications delivered at the meeting:—

1. Egyptian Ophthalmia by an Egyptian Ophthalmologist seventy-five years ago.
2. The slit lamp in a few doubtful cases.
3. Phenolaine in the treatment of corneal nebulæ.
4. Phenolaine.
5. An easy and successful operation for over-eversion.
6. Some suggestions regarding the examination of visual acuity in the Medical Commission of Egypt.
7. Proptosis.
8. Enormous distention of the R. Orbit.



9. Traumatic omphysema of the conjunctiva.
10. Phlyctenular conjunctivitis.
11. Eye complications in dengue fever.
12. Two cases of injury at the limbus.
13. Episcleritis.
14. A case of glaucoma developing after cataract extraction due to presence of vitreous in anterior chamber.
15. An unusual case of sympathetic ophthalmitis.
16. Huge multiple fibromata of upper lid and forehead and their removal.
17. Hysterical eye disorders.
18. An investigation into the cultural and serological characters of the gonococcus isolated from cases of gonococcal ophthalmia.
19. A case of post diphtheritic paralysis of accommodation, soft palate and lower limbs.
20. Tuberculosis.
21. Trachoma in the orient, its distribution according to the age of patients and how to control it in Egypt.

The following cases have been exhibited at the meeting :—

- (a) Présentation d'un malade blessé à l'œil par un éclat de verre.
- (b) A case of cicatrical ectropion of the lower lid successfully treated.

#### INTERESTING CASES IN 1928.

A monthly list of interesting cases seen at the various units of the Section is drawn up. About 708 cases have been recorded as interesting during 1928. The following list shows such cases that are not frequently seen in every day's work in Egypt :—

1. Diabetic cataract.
2. Retinitis punctata albescens.
3. Fibro-angioma of conjunctiva.
4. Cavernous angioma of conjunctiva.
5. Successful couching operation—vision with + 10 sph. = 6/18.
6. Microphthalmos with cyst.
7. Malignant epithelioma of limbus.
8. Streptothrix infection of conjunctiva.
9. Fuchs' coloboma of optic nerve.
10. Epithelioma of lid.
11. Glioma retinae.
12. Bilateral absolute glaucoma in a boy of 15 years of age with high myopia (−12).
13. Cysticercus of orbit.
14. Anophthalmos.
15. Advanced chronic primary glaucoma in a patient 24 years old.
16. Mikulicz's disease.
17. Base-celled epithelioma of conjunctiva.
18. Late infection after trephining.
19. Embolism of central artery of retina.
20. Congenital accessory lachrymal gland in an infant.
21. Traumatic subretinal hæmorrhage.

- 22.—Transient hysterical amaurosis.
- 23.—Tay's choroiditis.
- 24.—Tick infection "Ixodidae."
- 25.—Retinitis proliferans.
- 26.—Tuberculosis of lid.
- 27.—Congenital bilateral ptosis with nevus of L. face.
- 28.—Squamous called carcinoma of globe.
- 29.—Dendritic ulcer of cornea, post febrile.
- 30.—Fibro-angioma of caruncle.
- 31.—Papilloedema after brain tumour.
- 32.—Essential gangrene of lids.
- 33.—Carcinoma of conjunctiva.
- 34.—Double acute dacryocystitis.
- 35.—A piece of stone in anterior chamber.
- 36.—Retinitis pigmentosa.
- 37.—Spindle cell sarcoma of orbit.
- 38.—Tricophytial blepharitis.
- 39.—Adenocarcinoma of meibomian gland.
- 40.—Bilateral hysterical ptosis.
- 41.—Varicose vein of L. lower lid.
- 42.—Scleritis and sclerosing keratitis, tubercular.
- 43.—Distichiasis of 4 lids.

TABLE I.—WORK DONE AT ALL GOVERNMENT AND PROVINCIAL COUNCILS OPHTHALMIC HOSPITALS DURING 1928.

1.—IN-PATIENTS : TOTAL NUMBER ... ..	12,967
(Number of available beds 721)	
Number of diets issued ... ..	226,679
2.—OPERATIONS :—	
I. Major :—	
(a) Senile cataract ... ..	1,749
(b) Soft cataract ... ..	401
(c) Trichiasis or entropion ... ..	62,255
(d) Other operations ... ..	16,233
TOTAL ... ..	80,638
II. Minor (including mechanical treatment of trachoma)... ..	90,849
GRAND TOTAL, major and minor operations ... ..	171,487
3.—OUT-PATIENTS :—	
I.—Incurable ... ..	3,891
II.—Postponed ... ..	15,849
III.—Tickets issued, <i>i.e.</i> new cases ... ..	381,790
IV.—Old cases ... ..	3,062,895
V.—Visits made by patients for treatment (equal I+II+III+IV) ... ..	3,464,425
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued. The factor of incurable cases is neglected ... ..	9
VII.—Discharges :—	
(a) Cured ... ..	107,440
(b) Relieved ... ..	24,234
(c) Incurable ... ..	1,333
(d) Spontaneously ceased to attend after having attended only once	52,967
(e) Spontaneously ceased to attend after having attended more than once	101,583
VIII.—Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed ... ..	51,813
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan) ... ..	4,215

N.B.—3. I. Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

VII.(c) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.











TABLE II.—LIST OF DISEASES (*continued*).

Lens (contd.):—																
Cataract, traumatic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	149
„ lamellar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
„ anterior polar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,496
„ posterior	„	...	...	...	...	...	...	...	...	...	...	...	...	...	...	95
„ dislocated, traumatic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	204
„ „ operative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29
„ „ congenital	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30
Aphakia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,148
Secondary cataract	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	530
Ectopia lentis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
Vitreous :—																
Opacities	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	155
Foreign bodies	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16
Muscles :—																
Strabismus, alternating	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,153
„ convergent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,925
„ divergent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6,490
Heterophoria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	151
Nystagmus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,361
Paralysis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31
Glaucoma :—																
Primary, acute	...	...	...	} Including absolute glaucoma caused by acute, sub-acute or chronic glaucoma.		}										37
„ sub-acute	...	...	326													
„ chronic	...	...	4,320													
Secondary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7,490
Globe :—																
Shrunken globe	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,780
Buphthalmos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43
Exophthalmic goitre	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Panophthalmitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	358
Microphthalmos...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
Anophthalmos	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Injury	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	116
Orbit :—																
Tumours	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28
Cellulitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21
Tenonitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—
Periostitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Injuries	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Cyst, frontal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
„ ethmoidal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Contracted socket	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76
Fly-blown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Blind : —																
In one eye	=Monocular	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28,816
In both eyes*	=Binocular	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,592

\* Patients are accounted blind who cannot count fingers at one metre.









TABLE IV.—LIST OF OPERATIONS (*continued*).

TOTAL, brought forward ... ..															168,475
<i>Lens</i> (contd.) :—															
For soft cataract :—															
Extraction ... ..															4
Discission ... ..															83
Curette evacuation ... ..															301
Paracentesis ... ..															13
For membrane after evacuation :—															
Discission ... ..															86
Capsulotomy ... ..															7
<i>Globe</i> :—															
Trephining of cornea-sclera with iridectomy ... ..															1,190
Trephining ... ..															51
Excision ... ..															518
Evisceration ... ..															338
Paracentesis ... ..															116
<i>Orbit</i> :—															
Exenteration ... ..															12
For tumour ... ..															23
„ dermoid ... ..															42
„ cellulitis ... ..															8
„ cyst, frontal ... ..															3
„ „ ethmoidal... ..															1
Tenotomy and advancement... ..															42
Other major operations ... ..															157
Trial with magnet :—															
Positive ... ..															—
Negative ... ..															17
TOTAL ... ..															171,487

TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED  
AT ALL OPHTHALMIC HOSPITALS DURING 1928.

HOSPITALS.	NUMBER OF PATIENTS.	HOSPITALS.	NUMBER OF OPERATIONS.
Giza ... ..	32,186	Giza ... ..	10,592
No. 1, T.O.H. ... ..	29,175	No. 1, T.O.H. ... ..	9,812
Alexandria ... ..	18,131	Tanta ... ..	6,994
Tanta ... ..	14,279	No. 5, T.O.H. ... ..	6,961
No. 5, T.O.H. ... ..	13,865	Asyût ... ..	6,360
Asyût ... ..	13,215	Beni Suef ... ..	6,301
Beni Suef ... ..	13,155	Sohâg ... ..	5,922
Faiyûm ... ..	12,184	No. 6, T.O.H. ... ..	5,563
Sohâg ... ..	11,781	No. 4, T.O.H. ... ..	5,550
Port Said ... ..	11,338	No. 10, T.O.H. ... ..	5,258
Shibîn el Kôm ... ..	10,285	Benha ... ..	5,204
No. 6, T.O.H. ... ..	10,223	Alexandria ... ..	5,100
No. 9, T.O.H. ... ..	9,633	No. 7, T.O.H. ... ..	4,716
Benha ... ..	9,107	No. 9, T.O.H. ... ..	4,580
Minya ... ..	8,927	Shibîn el Kôm ... ..	4,541
Zagazîg ... ..	8,787	Qena ... ..	4,134
Daqahliya, P.C., T.O.H. ... ..	8,691	Fayûm ... ..	4,118
Mansûra ... ..	8,592	Minya ... ..	4,101
No. 4, T.O.H. ... ..	8,315	Maghagha ... ..	3,985
Mallawi ... ..	8,202	Mansûra ... ..	3,728
Damanhûr ... ..	8,168	Zagazîg ... ..	3,655
No. 7, T.O.H. ... ..	7,550	Mit Ghamr ... ..	3,454
Mit Ghamr ... ..	7,402	Daqahliya, P.C., T.O.H. ... ..	3,333
Maghagha ... ..	7,312	No. 3, T.O.H. ... ..	3,330
No. 10, T.O.H. ... ..	6,881	Kafr el Zaiyât ... ..	3,165
Suez ... ..	6,841	No. 2, T.O.H. ... ..	3,121
Damietta ... ..	6,734	Asyût, P.C., T.O.H. ... ..	3,086
Mahalla el Kubra ... ..	6,725	Damanhûr ... ..	3,076
Qena ... ..	6,442	Port Said ... ..	2,999
Gharbia, P.C., T.O.H. ... ..	5,854	Ashmoun ... ..	2,985
No. 8, T.O.H. ... ..	5,783	Mahalla el Kubra ... ..	2,938
Santa ... ..	5,755	Gharbia, P.C., T.O.H. ... ..	2,925
Asyût, P.C., T.O.H. ... ..	5,755	Damietta ... ..	2,861
No. 3, T.O.H. ... ..	5,420	Minûf ... ..	2,659
No. 2, T.O.H. ... ..	5,267	Mallawi ... ..	2,658
Kafr el Zaiyât ... ..	5,103	No. 8, T.O.H. ... ..	2,615
Ashmûn ... ..	4,924	Barrim ... ..	2,531
Minûf ... ..	4,771	Santa ... ..	2,479
El Fekria ... ..	4,187	Suez ... ..	1,930
Barrim ... ..	4,049	El Fekria ... ..	1,858
No. 11, T.O.H. ... ..	796	No. 11, T.O.H. ... ..	311

N.B.—Number of working months :—

	Months.	Days.
No. 11, T.O.H. (Opened on December 12th, 1928)	—	20
El Fekria ( „ October, 13th, 1928)	2	19
No. 8, T.O.H. ( „ March 12th, 1928)	8	23
„ 10, T.O.H. ( „ „ 20th, 1928)	9	12
„ 9, T.O.H. ( „ „ 12th, 1928)	9	20
„ 3, T.O.H. ... ..	10	29
„ 5, T.O.H. ... ..	11	1
Daqahliya, P.C., T.O.H. ... ..	11	7
Gharbia, P.C., T.O.H. ... ..	11	8
No. 4, T.O.H. ... ..	11	12
Asyût P.C., T.O.H. ... ..	11	12
No. 7, T.O.H. ... ..	11	13
„ 6, T.O.H. ... ..	11	14
„ 2, T.O.H. ... ..	11	16
„ 1, T.O.H. ... ..	12	—
Other Ophthalmic Hospitals ... ..	12	—



TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL  
OPHTHALMIC HOSPITALS DURING THE YEAR 1928.

MAJOR OPERATIONS.						MINOR OPERATIONS.					
HOSPITALS.						HOSPITALS.					
No. 1, T.O.H.	...	...	...	...	...	Giza	...	...	...	...	487
Giza	...	...	...	...	...	No. 5, T.O.H.	...	...	...	...	387
ElFekria	...	...	...	...	...	ElFekria	...	...	...	...	387
Sohâg	...	...	...	...	...	No. 1, T.O.H.	...	...	...	...	385
Asyût	...	...	...	...	...	No. 10, T.O.H.	...	...	...	...	339
Tanta	...	...	...	...	...	Beni Suef	...	...	...	...	318
No. 5, T.O.H.	...	...	...	...	...	No. 4, T.O.H.	...	...	...	...	304
No. 6, T.O.H.	...	...	...	...	...	No. 11, T.O.H.	...	...	...	...	301
Benha	...	...	...	...	...	No. 9, T.O.H.	...	...	...	...	300
No. 10, T.O.H.	...	...	...	...	...	Tanta	...	...	...	...	294
Beni Suef	...	...	...	...	...	No. 6, T.O.H.	...	...	...	...	264
Qena	...	...	...	...	...	Alexandria	...	...	...	...	252
Faiyûm	...	...	...	...	...	Asyût	...	...	...	...	240
Shibîn el Kôm	...	...	...	...	...	No. 7, T.O.H.	...	...	...	...	237
Asyût, P.C., T.O.H.	...	...	...	...	...	Benha	...	...	...	...	213
No. 4, T.O.H.	...	...	...	...	...	Daqahliya, P.C., T.O.H.	...	...	...	...	197
Minya	...	...	...	...	...	Sohâg	...	...	...	...	196
Mansûra	...	...	...	...	...	Shibîn el Kôm	...	...	...	...	194
No. 7, T.O.H.	...	...	...	...	...	Port Said	...	...	...	...	184
No. 9, T.O.H.	...	...	...	...	...	Maghagha	...	...	...	...	165
Alexandria	...	...	...	...	...	Gharbia, P.C., T.O.H.	...	...	...	...	163
No. 3, T.O.H.	...	...	...	...	...	Mit Ghamr	...	...	...	...	162
Maghagha	...	...	...	...	...	Minya	...	...	...	...	160
No. 11, T.O.H.	...	...	...	...	...	Ashmûn	...	...	...	...	159
Zagazîg	...	...	...	...	...	Damietta	...	...	...	...	157
No. 2, T.O.H.	...	...	...	...	...	Zagazig	...	...	...	...	155
No. 8, T.O.H.	...	...	...	...	...	No. 8, T.O.H.	...	...	...	...	152
Mallawi	...	...	...	...	...	Fayoum	...	...	...	...	152
Barrîm	...	...	...	...	...	Qena	...	...	...	...	150
Mit Ghamr	...	...	...	...	...	Kafr el Zayât	...	...	...	...	149
Damanhûr	...	...	...	...	...	Damanhûr	...	...	...	...	139
Kafr el Zaiyât	...	...	...	...	...	Mahalla el Kubra	...	...	...	...	133
Minûf	...	...	...	...	...	No. 3, T.O.H.	...	...	...	...	131
Mahalla el Kubra	...	...	...	...	...	Mansûra	...	...	...	...	130
Daqahliya, P.C., T.O.H.	...	...	...	...	...	No. 2, T.O.H.	...	...	...	...	122
Gharbia, P.C., T.O.H.	...	...	...	...	...	Suez	...	...	...	...	116
Santa	...	...	...	...	...	Santa	...	...	...	...	113
Ashmûn	...	...	...	...	...	Minûf	...	...	...	...	108
Damietta	...	...	...	...	...	Asyût, P.C., T.O.H.	...	...	...	...	88
Port Said	...	...	...	...	...	Mallawi	...	...	...	...	80
Suez	...	...	...	...	...	Barrîm	...	...	...	...	77

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE  
AT WHICH THEY SOUGHT TREATMENT.

AGE.						NO. OF PATIENTS.					
Under one year						23,114					
From 1 to 5 years						46,575					
" 6 to 10						38,950					
" 11 to 15						35,905					
" 16 to 20						30,429					
" 21 to 25						28,732					
" 26 to 30						34,307					
" 31 to 35						32,314					
" 36 to 40						25,661					
" 41 to 45						24,591					
" 46 to 50						18,639					
" 51 to 55						13,198					
" 56 to 60						11,789					
" 61 to 65						8,112					
" 66 to 70						5,583					
Over 70 years						3,890					
TOTAL						381,790					

TABLE VIII.—NEW PATIENTS TREATED PER MONTH.

[illegible]



Table N° 9

جدول رقم ٩

Temperature &amp; Number of New patients treated.

الطقس وعدد المرضى الذين عولجوا

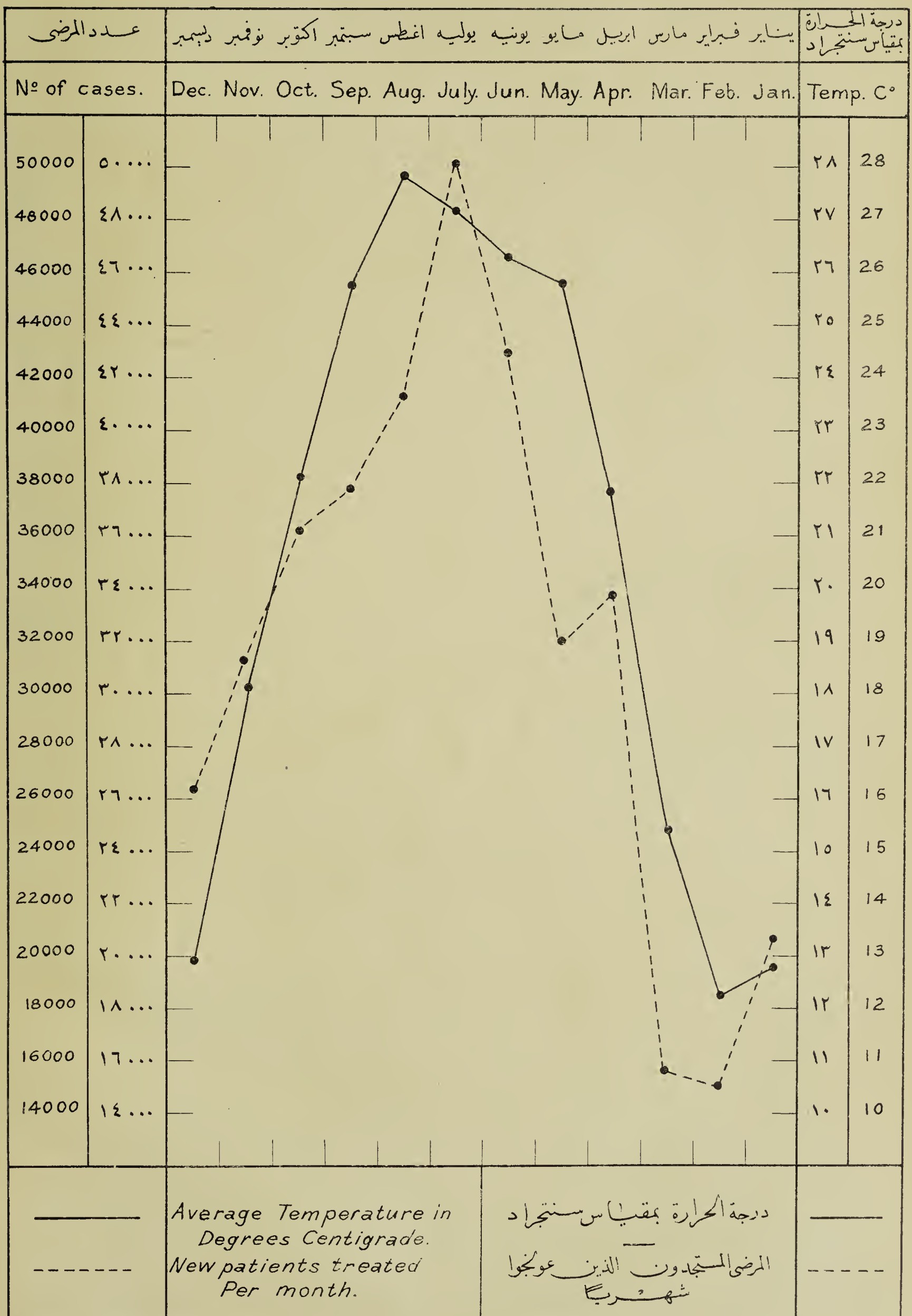






TABLE X.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Qurashîya) one place in Cairo (Gîza), and one place in Upper Egypt (Asyût) and obtaining an average, figure from the mean temperature at each place on each month. This is shown in appended table, the reading being in degrees centigrade.

MONTH.	QURASHÎYA.	GIZA.	ASYÛT.	AVERAGE.
January ... ..	12·2	12·5	13·6	12·8
February ... ..	11·5	12·2	12·9	12·2
March ... ..	14·0	14·8	17·4	15·4
April... ..	20·4	21·4	24·0	21·9
May ... ..	23·9	25·1	28·3	25·8
June ... ..	25·1	25·8	28·0	26·3
July ... ..	26·1	27·0	28·6	27·2
August ... ..	26·6	27·4	29·7	27·9
September ... ..	25·0	25·0	27·3	25·8
October ... ..	21·3	21·6	23·4	22·1
November ... ..	17·8	17·8	18·6	18·1
December... ..	12·4	13·0	13·2	12·9

TABLE XI.—SYNOPSIS OF WORK OF OPHTHALMIC HOSPITALS SINCE 1925.

	1925	1926	1927	1928
Hospitals in existence :—				
Travelling ... ..	8	8	10	14
Permanent ... ..	21	23	26	27
New patients treated ... ..	236,903	272,777	347,742	381,790
Total attendances of out-patients ... ..	2,276,735	2,628,463	3,239,159	3,464,425
Operations performed ... ..	126,254	140,788	158,989	171,487
In-patients ... ..	7,925	8,745	10,810	12,967
Details :—				
Patients examined ... ..	246,771	283,602	361,577	401,530
Patients regularly treated ... ..	236,903	272,777	347,742	381,790
Inurable cases ... ..	6,445	5,243	6,115	5,224
Blind in one eye... ..	19,422	21,979	26,591	28,816
„ both eyes ... ..	6,137	6,702	8,689	8,592
Trichiasis cases examined ... ..	41,716	50,572	53,794	56,028
„ eyes operated on and cured ... ..	47,988	53,044	60,878	62,255

TABLE XII.—CAUSES OF BLINDNESS.

A.—Congenital ... ..	18
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity ... ..	11,596
(b) Shrunk globe ... ..	11,780
(c) Secondary glaucoma ... ..	6,582
(d) Other conditions ... ..	1,287
II.—Fundus :—	
(a) Optic atrophy ... ..	186
(b) Optic neuritis... ..	2
(c) Retinitis pigmentosa ... ..	40
(d) Detachment of retina ... ..	126
(e) Other diseases of fundus ... ..	195
III.—Glaucoma, Primary :—	
Monocular (including sbsolute No. 1414) ... ..	1,943
Binocular ( „ „ „ 1323) ... ..	1,717
IV.—Cataract ... ..	3,246
V.—Injury ... ..	249
VI.—Operation ... ..	78
VII.—Infectious disease... ..	38
VIII.—Iritis endogenous ... ..	501
IX.—Various ... ..	496
TOTAL ... ..	40,080

TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1925	1926	1927	1928
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Ophthalmic Hospitals :—</i>				
Tanta ... ..	8.22	6.33	6.32	7.50
Asyût ... ..	7.87	8.82	8.92	9.28
Mansûra ... ..	16.07	15.42	15.35	14.66
Beni Suef ... ..	15.16	13.28	11.58	11.30
Zagazîg ... ..	13.16	5.39	6.51	4.49
Damanhûr ... ..	8.55	7.74	8.53	7.16
Shibîn el Kôm ... ..	8.59	7.76	8.67	8.20
Sohâg ... ..	22.20	19.60	18.72	17.50
Minya ... ..	13.14	10.75	14.67	21.03
Faiyûm ... ..	10.33	11.40	11.35	11.00
Benha ... ..	9.06	8.04	7.24	6.51
Alexandria ... ..	6.99	5.99	5.67	4.99
Port Said ... ..	4.64	3.43	2.52	3.64
Qena... ..	14.70	17.92	15.65	14.17
Damietta ... ..	5.67	7.07	4.00	4.66
Gîza ... ..	8.16	8.11	8.21	8.10
Suez ... ..	8.33	7.55	4.10	4.04
Barrîm... ..	—	19.01	7.12	7.35
Mallawi ... ..	—	14.17	7.67	9.68
Mit Ghamr... ..	—	—	10.27	9.46
Maghagha ... ..	—	—	17.38	12.04
El Fikria ... ..	—	—	—	9.60
Mahalla el Kubra ... ..	7.91	9.73	8.74	8.37
Kafr el Zaiyât ... ..	7.17	7.64	6.99	5.95
Santa ... ..	7.32	9.06	8.28	8.98
Mirûf ... ..	5.93	8.08	6.88	5.54
Ashmoun ... ..	14.70	9.85	8.55	8.40
<i>Travelling Ophthalmic Hospitals :—</i>				
No. 1. Travelling :—				
Rôd el Farag ... ..	11.42	11.11	11.12	—
Abbassia ... ..	—	—	11.02	10.72
No. 2. Travelling :—				
Fâkûs ... ..	21.27	—	—	—
Desûq ... ..	10.48	—	—	—
Dilingât ... ..	—	20.07	—	—
Shubrakhît... ..	—	21.44	16.76	—
Rasheed ... ..	—	—	6.5	—
Rahmania ... ..	—	—	2.61	0.44
Teh El Baroud ... ..	—	—	—	4.17
No. 3. Travelling :—				
Aswân ... ..	12.73	11.14	10.71	13.02
Isna ... ..	21.28	—	—	—
Idfû ... ..	—	15.84	—	7.24
Kom Ombo... ..	—	—	10.02	9.32
No. 4. Travelling :—				
El Saff ... ..	16.00	13.79	—	—
Bilbeis... ..	—	14.64	—	—
Ismalia ... ..	—	—	8.70	—
Kafr Sakr ... ..	—	—	8.32	12.23
Minia El Kamh ... ..	—	—	—	7.36
No. 5. Travelling :—				
Beni Mazâr ... ..	11.16	12.04	—	—
Girga ... ..	—	14.31	15.20	—
Tahta ... ..	—	—	13.47	14.15
Baliana... ..	—	—	—	11.53
Akhmim ... ..	—	—	—	7.80



TABLE XIII (contd).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1925	1926	1927	1928
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 6. Travelling :—				
Sherbin ... ..	—	—	14·70	—
Quesna ... ..	—	—	14·94	9·90
Tala ... ..	—	—	—	13·80
No. 7. Travelling :—				
Itsa (Fayoum) ... ..	—	—	14·51	—
Biba ... ..	—	—	7·97	6·78
Sinnouris ... ..	—	—	—	5·02
No. 8. Travelling :—				
Samalut ... ..	—	—	—	12·90
El Fashn ... ..	—	—	—	11·78
No. 9. Travelling :—				
Embaba ... ..	—	—	—	12·30
No. 10. Travelling :—				
Nag Hamadi ... ..	—	—	—	9·00
No. 11. Travelling :—				
Shebin El Qanater ... ..	—	—	—	11·96
Asyût Provincial Council :—				
Manfalût ... ..	6·41	—	11·20	—
Dairût ... ..	10·44	—	9·00	—
Mallawi ... ..	16·00	10·19	—	—
Abnûb ... ..	—	10·29	—	—
Abu Tig ... ..	9·61	11·10	11·72	—
Badâri ... ..	—	10·67	—	11·90
Deir Meas ... ..	—	—	—	13·16
Daqahliya Provincial Council :—				
Mit Ghamr ... ..	—	7·46	—	—
Matarîya ... ..	—	—	9·00	—
Dikirnis ... ..	10·7	11·28	14·35	—
Fâriskûr ... ..	—	—	11·51	7·90
Aga ... ..	9·09	15·98	5·19	11·85
Simbillâwein ... ..	10·72	7·91	—	12·50
Manzala ... ..	9·73	—	—	—
Gharbia Provincial Council :—				
Kafr El Sheikh... ..	—	—	10·84	—
Zifta ... ..	—	—	—	9·69
Shirbin ... ..	—	—	—	10·00

TABLE XIV.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE.		BOTH EYES.		ONE EYE AND BOTH EYES.	
		Number.	Per Cent.	Number	Per Cent.	Number.	Per Cent.
1909 ... ..	22,373	2,116	9·4	1,385	6·1	3,501	15·6
1910 ... ..	25,506	2,438	9·5	2,010	7·8	4,448	17·4
1911 ... ..	31,274	3,196	10·2	2,811	8·9	6,007	19·2
1912 ... ..	43,668	4,115	9·4	2,824	6·4	6,939	15·8
1913 ... ..	62,233	5,360	8·6	3,878	6·2	9,238	14·8
1914 ... ..	75,398	6,425	8·5	3,591	4·7	10,016	13·2
1915 ... ..	71,930	5,637	7·8	2,992	4·2	8,629	12·0
1916 ... ..	94,447	7,042	7·4	3,504	3·7	10,546	11·2
1917 ... ..	100,410	9,385	9·3	4,611	4·6	13,996	13·9
1918 ... ..	90,668	8,969	9·9	4,261	4·7	13,230	14·6
1919 ... ..	83,577	8,537	10·2	4,278	5·1	12,815	15·3
1920 ... ..	108,113	9,833	9·1	5,154	4·7	14,987	13·8
1921 ... ..	127,223	10,566	8·3	5,053	3·9	15,619	12·2
1922 ... ..	147,492	12,524	8·5	4,850	3·3	17,374	11·8
1923 ... ..	174,004	14,394	8·3	5,146	2·9	19,540	11·2
1924 ... ..	206,342	16,535	8·0	5,716	2·8	22,251	10·8
1925 ... ..	246,771	19,422	7·9	6,137	2·5	25,559	10·4
1926 ... ..	283,602	21,979	7·7	6,702	2·6	28,681	10·1
1927 ... ..	361,577	26,591	7·4	8,689	2·4	35,280	9·8
1928 ... ..	401,530	28,816	7·2	8,592	2·1	37,408	9·3
TOTAL ... ..	2,758,138	223,880	8·1	92,184	3·3	316,064	11·4

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XV.—YEARLY PERCENTAGE OF BLINDNESS AMONG  
OPHTHALMIC HOSPITALS PATIENTS SINCE THE YEAR 1909.

YEAR.	Per Cent of Blindness in one or both Eyes.	YEAR.	Per Cent of Blindness in one or both Eyes.
1909 ... ..	15·6	1919 ... ..	15·3
1910 ... ..	17·4	1920 ... ..	13·8
1911 ... ..	19·2	1921 ... ..	12·2
1912 ... ..	15·8	1922 ... ..	11·8
1913 ... ..	14·8	1923 ... ..	11·2
1914 ... ..	13·2	1924 ... ..	10·8
1915 ... ..	12·0	1925 ... ..	10·4
1916 ... ..	11·2	1926 ... ..	10·1
1917 ... ..	13·9	1927 ... ..	9·8
1918 ... ..	14·6	1928 ... ..	9·3

TABLE XVI.—PRIMARY GLAUCOMA.

Acute ... ..	37)
Subacute ... ..	326)*
Chronic ... ..	4,320)
TOTAL ... ..	4,683
Total number of patients examined ... ..	401,530
Per cent of glaucoma cases ... ..	1·16
Per cent of absolute glaucoma cases ... ..	0·68
Operations :—	
Iridectomy ... ..	877
Trephine with iridectomy ... ..	1,190

\* Including 2,727 absolute monocular and binocular.



TABLE XVII.—PATHOLOGICAL REPORT.

Tissues hardened, Sections cut and examined Microscopically  
at the Memorial Ophthalmic Laboratory, Giza, during 1928.  
(Kindly supplied by the Director of the Laboratory).

<i>Lids :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
<i>Conjunctiva :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47
Degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Limbus :—</i>																		
<i>Tumours :—</i>																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
<i>Cornea :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Inflammation including ulceration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
Tumours (Benign)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Sclerotic :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Iris and Ciliary Body :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
<i>Vitreous :—</i>																		
Other conditions	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Choroid :—</i>																		
Injury	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Degeneration including ossification	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Tumours (Malignant)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Retina :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Tumours (Malignant)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
<i>Orbit :—</i>																		
<i>Tumours :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Lacrimal Glands :—</i>																		
<i>Tumours :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
TOTAL, carried forward																	259	





TABLE XX.—NUMBER OF BEDS AT THE OPHTHALMIC HOSPITALS.

HOSPITAL.										First.	Second.	Third.
No. 1 Travelling ...	...	...	...	...	...	...	...	...	...	—	—	30
„ 2 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 3 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 4 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 5 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 6 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 7 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 8 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 9 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 10 „	...	...	...	...	...	...	...	...	...	—	—	20
„ 11 „	...	...	...	...	...	...	...	...	...	—	—	20
Tanta ...	...	...	...	...	...	...	...	...	...	—	—	31
Asyût ...	...	...	...	...	...	...	...	...	...	1	—	43
Mansûra ...	...	...	...	...	...	...	...	...	...	—	—	34
Beni Suef ...	...	...	...	...	...	...	...	...	...	—	—	22
Zagazîg ...	...	...	...	...	...	...	...	...	...	—	—	29
Damanhûr ...	...	...	...	...	...	...	...	...	...	—	—	28
Shibîn el Kôm ...	...	...	...	...	...	...	...	...	...	—	—	20
Sohâg ...	...	...	...	...	...	...	...	...	...	—	—	20
Minia ...	...	...	...	...	...	...	...	...	...	—	—	23
Fayûm ...	...	...	...	...	...	...	...	...	...	—	—	10
Benha ...	...	...	...	...	...	...	...	...	...	—	—	22
Alexandria ...	...	...	...	...	...	...	...	...	...	—	—	31
Port Said ...	...	...	...	...	...	...	...	...	...	—	—	6
Qena ...	...	...	...	...	...	...	...	...	...	—	—	23
Damietta ...	...	...	...	...	...	...	...	...	...	—	—	22
Giza ...	...	...	...	...	...	...	...	...	...	—	—	43
Suez ...	...	...	...	...	...	...	...	...	...	—	—	25
Mit Ghamr ...	...	...	...	...	...	...	...	...	...	—	—	8
Maghagha ...	...	...	...	...	...	...	...	...	...	—	—	10
Fekria ...	...	...	...	...	...	...	...	...	...	—	—	8
Daqahlia Provincial Council Travelling Ophthalmic Hospital ...	...	...	...	...	...	...	...	...	...	—	—	12
Santa ...	...	...	...	...	...	...	...	...	...	—	—	10
Gharbia Provincial Council Travelling Ophthalmic Hospital ...	...	...	...	...	...	...	...	...	...	—	—	10
TOTAL ...										1	—	720

TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS DURING 1928, EXCLUDING COST OF RATIONS OF EMPLOYÉS.

HOSPITALS.	Number of Diets issued.	Total Cost.*	Cost per Day per Head.
		L.E.	Mills.
Daqahlia Travelling-Aga, Faraskour, Sembellawein† ... ..	3,660	83	22·79
Asyût ... ..	15,270	379	24·83
No. 4 Camp—Kafr Sakr, and Minia El Qamh ... ..	6,228	169	27·08
Benha ... ..	7,121	195	27·43
Giza ... ..	15,706	436	27·78
No. 6 Camp—Quesna and Tala ... ..	6,796	204	30·06
Tanta ... ..	10,334	324	31·34
Fayoum ... ..	4,152	133	32·11
Santa ... ..	3,148	104	33·11
Damanhour ... ..	9,332	310	33·20
Zagazig ... ..	9,406	320	33·97
Mansoura ... ..	11,456	391	34·09
Qena ... ..	8,049	279	34·70
Beni Suef ... ..	7,649	266	34·80
Minia ... ..	7,864	278	35·40
No. 5 Camp—Tahta, Baliana and Akhmim ... ..	6,290	227	36·15
No. 1 Camp—Abbassia ... ..	10,168	368	36·17
Sohag ... ..	7,204	271	37·66
No. 7 Camp—Beba and Sinnouris ... ..	6,423	242	37·69
No. 3 Camp—Aswân, Kom Ombo and Edfu ... ..	6,073	191	37·71
No. 2 Camp—Rahmania and Teh El Baroud ... ..	5,820	236	40·52
Shebin el Kom ... ..	6,698	274	40·90
Damietta... ..	6,679	278	41·60
TOTAL... ..	180,526	5,961	33·02

\* Fuel excluded.

† Bought locally .

*Scale of Full Diet as given to all In-patients at all Ophthalmic Hospitals.*

	Grammes.
Bread ... ..	600
Beef ... ..	150
Vegetables ... ..	150
Lentils... ..	75
Rice ... ..	75
Milk ... ..	200
Native butter ( <i>Samna Baladi</i> ) ... ..	15
Sugar ... ..	30
Salt ... ..	20



TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS.	Date at which opened.	Government Grant.	Public Subscription or Private Benediction.	Provincial Councils or Municipalities.
		L.E.	L.E.	L.E.
No. 1 Travelling (retained at Cairo for provision of clinical facilities for teaching)	1904	—	1,000	—
No. 2 Travelling ... ..	1905	—	1,000	—
Tanta ... ..	1908	8,463	—	—
Asyût ... ..	1911	8,817 and site	5,004	—
Mansûra ... ..	1912	—	5,000	—
Beni Suef ... ..		—	4,000	—
Asyût Travelling ... ..		—	—	720
Zagazig ... ..	1913	—	—	4,280
Mahalla el Kubra... ..		—	—	2,400
Kafr el Zayat... ..		—	—	2,200
Daqahlia Travelling ... ..		—	—	720
Damanhour ... ..	1914	—	—	5,000
Shebin el Kom ... ..		—	5,422	—
Sohag ... ..		960	4,000	—
Minia ... ..	1915	—	—	5,500
Santa ... ..		—	—	2,600
Fayoum ... ..	1916	Site	—	4,000
No. 3 Travelling for South Egypt (Aswân Province) ...	1918	—	—	1,500
Banha ... ..	1920	—	14,000	—
Alexandria (Oph. Branch) ...		Annexed to General Hospital.	—	—
Port Said... ..	1921	1,000	—	1,000
Qena... ..	1923	—	12,400	2,800
Damietta (Oph. Branch) ...		1,000	240	—
		Annexed to General Hospital.		
“Fuad I” Oph. H., Giza. ...	1924	3,000 and site	8,668	600
Suez (Oph. Branch) ... ..		Annexed to General Hospital.	—	—
No. 4 Travelling ... ..		2,000	—	—
„ 5 „ ... ..	1925	2,000	—	950
Menuof ... ..		—	—	950
Ashmoun... ..		—	—	—
Memorial Ophthalmic Laboratory, Giza ... ..		2,000	6,600	—
		Annexed to General Hospital.		
Berrim ... ..	1926	Annexed to General Hospital.	—	—
Mellawi ... ..		Annexed to General Hospital.	—	—
No. 6 Travelling ... ..	1927	2,280	—	—
„ 7 „ ... ..		2,280	—	—
Mit Ghamr (Oph. Branch)		Annexed to General Hospital.	—	1,500
Gharbia Travelling ... ..		—	1,000	5,000
Maghagha ... ..		—	—	—
No. 8 Travelling ... ..		2,500	—	—
„ 9 „ ... ..	1928	2,500	—	—
„ 10 „ ... ..		2,500	—	—
Fikria (Branch) ... ..		Annexed to General Hospital.	—	—
No. 11 Travelling ... ..		2,500	—	—
TOTAL ... ..		43,800	68,334	41,726

TABLE XXIII.—ACTUAL EXPENDITURE 1927-1928.— (A) CENTRAL ADMINISTRATION.

CHAPTER.	Grant.	Expenditure.
	L.E.	L.E.
Pensionable Staff ... ..	5,412	5,074
Hors Cadre Staff ... ..	332	322
Transport, Transfer and Travelling Allowance ... ..	1,200	349
Telephones ... ..	23	— } *
Telegraphs ... ..	10	
TOTAL ... ..	6,977	5,745

\* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1927-1928.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER.	Grant.	Total Actual Expenditure.
	L.E.	L.E.
Pensionable Staff ... ..	22,092	18,033
Hors Cadre Staff ... ..	15,713	11,937
Ophthalmic allowance ... ..	—	144
Transport, transfer and travelling allowance ... ..	2,317	1,148
Food ... ..	9,858	8,973
Forage ... ..	—	35
Water ... ..	461	512
Light ... ..	385	333
Disposal of sewage ... ..	131	60
Heating ... ..	—	297
Rent ... ..	110	73
Telegrams and Telephones ... ..	221	140
Stores :—		
General equipment ... ..	* }	4,504
Surgical „ ... ..		803
Instruments ... ..		930
Drugs ... ..		3,237
Dressings ... ..		676
Transport of Stores ... ..	1,000	361
Petty Expenses... ..	740	268
TOTAL ... ..		52,463 †

\* No special grant for the Ophthalmic Hospitals. The grant is for the various units of the whole Department.

† Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry.



TABLE XXV.—ACTUAL EXPENDITURE 1927-1928, GOVERNMENT OPHTHALMIC HOSPITALS (per Unit).

															L.E.
No. 1	Camp	...	...	...	...	...	...	...	...	...	...	...	...	...	2,807
" 2	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,637
" 3	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,528
" 4	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,962
" 5	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,991
" 6	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,791
" 7	"	...	...	...	...	...	...	...	...	...	...	...	...	...	1,992
" 8	"	...	...	...	...	...	...	...	...	...	...	...	...	...	459
" 9	"	...	...	...	...	...	...	...	...	...	...	...	...	...	405
" 10	"	...	...	...	...	...	...	...	...	...	...	...	...	...	396
Tanta		...	...	...	...	...	...	...	...	...	...	...	...	...	2,549
Assiut		...	...	...	...	...	...	...	...	...	...	...	...	...	2,771
Mansoura		...	...	...	...	...	...	...	...	...	...	...	...	...	2,470
Beni Suef		...	...	...	...	...	...	...	...	...	...	...	...	...	2,237
Zagazig		...	...	...	...	...	...	...	...	...	...	...	...	...	2,421
Damanhour		...	...	...	...	...	...	...	...	...	...	...	...	...	1,944
Shebin El Kom		...	...	...	...	...	...	...	...	...	...	...	...	...	2,148
Sohag		...	...	...	...	...	...	...	...	...	...	...	...	...	2,097
Minia		...	...	...	...	...	...	...	...	...	...	...	...	...	2,128
Fayum		...	...	...	...	...	...	...	...	...	...	...	...	...	1,848
Benha		...	...	...	...	...	...	...	...	...	...	...	...	...	1,899
Alexandria	Branch and Schools	...	...	...	...	...	...	...	...	...	...	...	...	...	830
Port Said		...	...	...	...	...	...	...	...	...	...	...	...	...	1,191
Qena		...	...	...	...	...	...	...	...	...	...	...	...	...	1,961
Damietta	Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	1,236
Giza		...	...	...	...	...	...	...	...	...	...	...	...	...	3,164
Suez	Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	508
Berrim	Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	656
Mellawi	Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	555
Mit Chamr	Branch	...	...	...	...	...	...	...	...	...	...	...	...	...	396
Maghagha		...	...	...	...	...	...	...	...	...	...	...	...	...	1,121
Cairo	Schools	...	...	...	...	...	...	...	...	...	...	...	...	...	1,365
TOTAL														...	62,463

\* These camps were opened shortly before the end of the financial year 1927-1928.

TABLE XXVI—ACTUAL EXPENDITURE 1927-1928, PROVINCIAL COUNCIL OPHTHALMIC HOSPITALS (per Unit)

<i>Gharbia Provincial Council :—</i>														L.E.
Mahalla El Kubra	...	...	...	...	...	...	...	...	...	...	...	...	...	848
Kafr el Zayat	...	...	...	...	...	...	...	...	...	...	...	...	...	676
Santa	...	...	...	...	...	...	...	...	...	...	...	...	...	888
Gharbia Travelling	...	...	...	...	...	...	...	...	...	...	...	...	...	638
<i>Asyût Provincial Council :—</i>														
Travelling Hospital	...	...	...	...	...	...	...	...	...	...	...	...	...	588
<i>Daqahlia Provincial Council :—</i>														
Travelling Hospital	...	...	...	...	...	...	...	...	...	...	...	...	...	956
<i>Menoufia Provincial Council :—</i>														
Menouf	...	...	...	...	...	...	...	...	...	...	...	...	...	536
Ashmoun	...	...	...	...	...	...	...	...	...	...	...	...	...	*

\* Its expenditure registration is carried out by the Provincial Council.

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT  
OPHTHALMIC HOSPITAL IN 1914 AND 1928.

	Number.	1914	TOTAL.	Number.	1928	TOTAL.
		L.E.	L.E.		L.E.	L.E.
ART. 1.— <i>Salaries, Wages, and Allowances :—</i>						
A.—Pensionable Staff :—						
Medical Officer ... ..	2	336		2	420	
Clerk ... ..	1	60		1	90	
Moawin ... ..	—	—		1	90	
	3		396	4		600
B.—Hors Cadre Staff :—						
Moawin ... ..	1	48		—	—	
Chief attendant ... ..	1	36		2	84	
Attendants (male)... ..	2	42		5	150	
"      (female) ... ..	2	36		2	42	
Cook ... ..	1	24		1	42	
Sai ... ..	1	18		1	30	
Gardener ... ..	—	—		1	30	
Boab ... ..	1	18		—	—	
Sundry subordinate staff ... ..	3	54		—	—	
	12		276	12		378
E.—Allowances... ..		72	72		—	—
ART. 2.— <i>Transport, Transfer and Travelling Allowances :—</i>						
Transport ... ..		50	50		10	80
Transfer ... ..					20	
Travelling allowance... ..					50	
ART. 3.— <i>Food</i> ... ..			139			371
ART. 5.— <i>Rent, Water, Lighting, etc. :—</i>						
Water ... ..		30			60	
Lighting ... ..		40			40	
Heating ... ..		20			30	
Sewage ... ..		12			—	
			102			130
ART. 6.— <i>Books and Periodicals</i> ... ..			1			—
ART. 7.— <i>Telegrams and Telephones :—</i>						
Telegrams ... ..		9	9		2	12
Telephones ... ..					10	
ART. 8.— <i>Petty Expenses</i> ... ..			12			20
ART. 11.— <i>Stores</i> ... ..			300			500
TOTAL ... ..			1,357			2,091



### Statistics of Ophthalmic Treatment in Schools, 1928-1929.

Ophthalmic treatment has been carried out at the Primary Government Schools of Tanta, Asyût, Mansûra, Beni Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Benha, Moharram Bey and Ras el Tîn at Alexandria, Abbâsiya, Mohammad Aly, Munîra, Mohammadiya, Gamâlîya, Abbas, Bab el Shaaria, Shubra, Abdin, Kerabia, Nasria and Nahasin at Cairo, Qena, Port Said, Damietta and Suez.

TABLE I.—CONDITION OF CONJUNCTIVA.—(a) BEGINNING OF THE YEAR.

SCHOOLS.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta ... ..	47	1	75	24	319	192	658
Per cent ... ..	7·14	0·15	11·39	3·64	48·51	29·17	
Asyût ... ..	35	—	107	69	249	107	567
Per cent ... ..	6·17	—	18·87	12·17	43·92	18·87	
Mansûra ... ..	36	—	162	39	93	366	696
Per cent ... ..	5·17	—	23·28	5·60	13·36	52·59	
Beni Suef ... ..	39	—	75	75	191	115	495
Per cent ... ..	7·88	—	15·15	15·15	38·59	23·23	
Zagazîg ... ..	32	—	14	87	231	271	635
Per cent ... ..	5·04	—	2·20	13·70	36·38	42·68	
Damanhûr ... ..	21	—	31	46	159	75	332
Per cent ... ..	6·32	—	9·34	13·86	47·89	22·59	
Shibîn el Kôm ... ..	6	—	18	33	56	70	183
Per cent ... ..	3·28	—	9·84	18·03	30·60	38·25	
Sohâg ... ..	5	—	2	29	140	115	291
Per cent ... ..	1·72	—	0·69	9·96	48·11	39·52	
Minya ... ..	33	—	9	35	135	105	317
Per cent ... ..	10·41	—	2·84	11·04	42·59	33·12	
Faiyûm ... ..	7	—	18	59	141	82	307
Per cent ... ..	2·28	—	5·86	19·22	45·93	26·71	
Gîza ... ..	18	—	31	47	171	64	331
Per cent ... ..	5·44	—	9·37	14·20	51·66	19·33	
Benha ... ..	20	—	53	38	197	69	377
Per cent ... ..	5·31	—	14·06	10·08	52·25	18·30	
Moharram Bey ... ..	73	—	22	11	42	152	300
Per cent ... ..	24·33	—	7·33	3·67	14·00	50·67	
Abbâsiya ... ..	69	—	80	26	171	259	605
Per cent ... ..	11·40	—	13·22	4·30	28·26	42·81	
Mohammad Aly ... ..	44	—	109	34	242	209	638
Per cent ... ..	6·90	—	17·08	5·33	37·93	32·76	
Ras el Tîn ... ..	64	—	40	21	115	314	554
Per cent ... ..	11·55	—	7·22	3·79	20·76	56·68	
Qena ... ..	3	—	36	46	74	28	187
Per cent ... ..	1·60	—	19·25	24·60	39·57	14·97	
Munîra ... ..	61	—	82	43	121	220	527
Per cent ... ..	11·57	—	15·56	8·16	22·96	41·75	
Mohammadiya ... ..	33	—	32	63	145	205	478
Per cent ... ..	6·90	—	6·70	13·18	30·33	42·89	
Gamâlîya ... ..	18	—	21	8	59	91	197
Per cent ... ..	9·14	—	10·66	4·06	29·95	46·19	
Abbâs ... ..	65	—	64	34	134	203	500
Per cent ... ..	13·00	—	12·80	6·80	26·80	40·60	
Bab El Shaaria ... ..	38	—	45	18	53	115	269
Per cent ... ..	14·13	—	16·73	6·69	19·70	42·75	
Shubra ... ..	111	—	71	22	153	311	668
Per cent ... ..	16·61	—	10·63	3·30	22·90	46·56	
Abdîn ... ..	47	—	71	26	113	130	387
Per cent ... ..	12·14	—	18·35	6·72	29·20	33·59	
Qerabia ... ..	3	—	38	84	161	219	305
Per cent ... ..	0·59	—	7·52	16·63	31·88	43·36	
Nasria ... ..	45	—	22	36	50	115	268
Per cent ... ..	16·79	—	8·21	13·43	18·66	42·91	
Nahhassin ... ..	3	—	8	59	80	79	229
Per cent ... ..	1·31	—	3·49	25·76	34·93	34·49	
Port Said ... ..	33	—	39	13	71	161	317
Per cent ... ..	10·41	—	12·30	4·10	22·40	50·79	
Damietta ... ..	14	—	21	29	56	148	268
Per cent ... ..	5·22	—	7·84	10·82	20·90	55·22	
Suez ... ..	3	—	27	47	112	71	260
Per cent ... ..	1·15	—	10·38	18·08	43·08	27·31	
TOTAL ... ..	1,026	1	1,423	1,201	4,034	4,661	12,346
Per cent ... ..	8·31	0·01	11·53	9·73	32·67	37·75	

TABLE I.—CONDITION OF CONJUNCTIVA.—(b) END OF THE YEAR.

SCHOOL.	No Trachoma.	Non-trachomatous conjunctivitis.	TRACHOMA.				TOTAL.
			I.	II.	III.	IV.	
Tanta ... ..	53	1	23	2	235	244	558
Per cent ... ..	9.48	0.18	4.12	0.35	42.11	43.72	
Asyût ... ..	34	—	57	16	301	117	525
Per cent ... ..	6.47	—	10.86	3.04	57.33	22.28	
Mansûra ... ..	26	—	119	—	96	412	653
Per cent ... ..	3.98	—	18.22	—	14.70	63.0	
Beni Suef ... ..	38	—	28	10	262	129	467
Per cent ... ..	8.13	—	6.0	2.14	56.10	27.62	
Zagazîg ... ..	24	—	—	—	187	397	608
Per cent ... ..	3.94	—	—	—	30.75	65.29	
Damanhûr ... ..	22	—	9	—	194	121	346
Per cent ... ..	6.36	—	2.6	—	56.07	34.97	
Shibîn el Kôm ... ..	5	—	1	8	47	104	165
Per cent ... ..	3.03	—	0.60	4.84	28.48	63.03	
Sohâg ... ..	7	—	1	—	110	147	265
Per cent ... ..	2.64	—	0.37	—	41.50	55.47	
Minya ... ..	36	—	7	4	121	150	318
Per cent ... ..	11.32	—	2.26	1.25	38.01	47.17	
Faiyûm ... ..	7	—	15	1	129	138	290
Per cent ... ..	2.41	—	5.17	0.34	44.48	47.58	
Gîza ... ..	18	—	5	5	178	111	317
Per cent ... ..	5.68	—	1.58	1.58	56.12	35.01	
Benha ... ..	20	—	47	11	196	84	358
Per cent ... ..	5.58	—	13.10	3.07	54.74	23.46	
Moharram Bey ... ..	75	—	—	1	59	160	295
Per cent ... ..	25.42	—	—	0.33	20.0	54.27	
Abbâssiya ... ..	70	—	52	3	208	245	578
Per cent ... ..	12.11	—	9	0.52	35.99	42.39	
Mohammad Aly ... ..	44	—	13	—	322	263	642
Per cent ... ..	6.85	—	2.02	—	50.15	40.96	
Râs el Tîn ... ..	67	—	—	2	163	320	552
Per cent ... ..	12.13	—	—	0.36	29.53	57.97	
Qena ... ..	11	—	2	—	72	102	187
Per cent ... ..	5.88	—	1.06	—	38.50	54.54	
Munîra ... ..	64	—	55	1	181	219	520
Per cent ... ..	12.34	—	10.57	0.19	34.80	42.11	
Mohammadiya ... ..	23	—	—	—	193	196	412
Per cent ... ..	5.58	—	—	—	46.34	47.57	
Gamâliya ... ..	20	—	8	—	75	89	192
Per cent ... ..	10.42	—	4.16	—	39.06	46.35	
Abbâs ... ..	67	—	54	3	190	196	510
Per cent ... ..	13.13	—	10.58	0.58	37.25	38.43	
Bab el-Shaaria ... ..	35	—	34	—	78	124	271
Per cent ... ..	12.91	—	12.54	—	28.78	45.75	
Shubra ... ..	115	—	41	1	180	349	686
Per cent ... ..	16.76	—	5.97	0.14	26.24	50.87	
Abdîn ... ..	45	—	31	—	172	141	389
Per cent ... ..	11.57	—	7.97	—	44.21	36.22	
Qerabia ... ..	3	—	—	—	261	241	505
Per cent ... ..	0.59	—	—	—	51.68	47.72	
Nasria ... ..	48	—	—	—	88	130	266
Per cent ... ..	18.04	—	—	—	33.09	48.87	
Nahassin ... ..	4	—	—	—	130	78	212
Per cent ... ..	1.88	—	—	—	61.32	36.79	
Port Said ... ..	26	—	45	4	65	171	311
Per cent ... ..	8.36	—	14.46	1.28	20.90	54.98	
Damietta ... ..	15	—	—	—	27	215	257
Per cent ... ..	5.83	—	—	—	10.50	83.65	
Suez ... ..	3	—	—	3	163	84	253
Per cent ... ..	1.18	—	—	1.18	64.42	33.20	
TOTAL ... ..	1,025	1	647	75	4,683	5,477	11,908
Per cent ... ..	8.61	—	5.43	0.63	39.32	45.99	



TABLE II *a*.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR.			END OF THE YEAR.	
	Pupils with any stage of Trachoma.	Pupils with serious stages of Trachoma I and II.		Pupils with serious stages of Trachoma I and II.	
		No.	Per Cent.	No.	Per Cent.
1907-1908 ... ..	464	289	62.3	—	—
1914-1915 ... ..	1,553	342	23.0	61	4.0
1916-1917 ... ..	1,528	327	21.4	48	3.0
1917-1918 ... ..	1,699	282	16.6	71	4.2
1919-1920 ... ..	2,454	410	16.7	201	8.2
1920-1921 ... ..	3,363	643	19.1	290	8.6
1921-1922 ... ..	5,036	1,369	27.2	580	11.5
1922-1923 ... ..	6,140	1,982	32.3	892	14.5
1923-1924 ... ..	6,820	2,115	31.0	835	12.2
1924-1925 ... ..	7,107	2,442	34.4	722	10.2
1925-1926 ... ..	7,337	1,865	25.4	374	5.1
1926-1927 ... ..	9,053	2,160	23.9	582	6.4
1927-1928 ... ..	12,057	2,819	23.4	830	6.9
1928-1929 ... ..	11,319	2,624	23.2	722	6.4

TABLE II *b*.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA.		BEGINNING OF THE YEAR.		END OF THE YEAR.	
		No.	Per Cent.	No.	Per Cent.
Trachoma	I ... ..	1,423	12.6	647	6.0
„	II ... ..	1,201	10.6	75	0.7
„	III ... ..	4,034	35.6	4,683	43.0
„	IV ... ..	4,661	41.2	5,477	50.3

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year).

SCHOOL.	1ST YEAR.				2ND YEAR.				3RD YEAR.				4TH YEAR.			
	Trachoma.				Trachoma.				Trachoma.				Trachoma.			
	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.	I.	II.	III.	IV.	Non-Trachomatous.
Tanta ...	23	25	15	49	17	13	30	6	84	25	4	16	2	121	70	7
Asyût ...	5	53	20	9	—	4	28	27	49	13	11	19	13	102	49	15
Mansûra ...	10	63	22	16	53	17	51	4	25	92	7	38	12	30	118	2
Beni Suef ...	16	30	32	20	13	11	26	23	34	24	3	13	8	81	40	3
Zagazîg ...	15	10	43	25	25	10	3	25	62	64	3	1	13	86	97	4
Damanhûr ...	5	14	19	23	7	9	7	10	47	12	3	5	10	44	27	4
Shibîn el Kôm ...	—	8	10	8	6	2	3	8	11	17	2	5	8	14	24	2
Sohâg ...	—	1	7	26	8	3	—	9	35	32	2	1	8	33	35	—
Minia ...	7	3	11	33	22	6	2	10	29	35	15	4	9	45	23	5
Fayoum ...	2	4	10	13	7	4	6	15	41	18	1	6	19	53	29	—
Gîza ...	3	15	23	37	4	8	12	12	31	12	4	2	8	51	26	3
Benha ...	5	14	13	15	4	4	19	11	31	10	6	15	11	69	17	5
Moharram Bey ...	9	9	3	6	17	21	7	2	9	31	25	4	4	14	49	18
Abbâsiya ...	12	32	11	21	18	16	25	5	45	42	22	14	6	48	75	19
Mohammad Aly ...	12	58	9	24	22	8	38	11	54	26	14	10	10	95	128	10
Râs el Tîn ...	15	2	11	13	45	12	11	5	16	62	29	10	3	47	10	8
Qena ...	1	8	17	20	1	2	15	8	10	6	—	9	7	29	76	—
Munîra ...	14	45	10	18	21	13	10	10	26	55	23	17	19	47	10	11
Mohammadiya ...	12	20	18	22	37	8	2	19	31	42	11	7	16	59	66	2
Gamâliya ...	6	12	1	6	19	6	2	3	11	23	3	5	1	31	31	3
Abbâs ...	13	28	15	20	14	6	18	14	25	52	18	7	2	41	47	28
Bab el Shaaria ...	8	21	7	14	12	10	10	4	15	44	10	11	3	13	31	10
Shoubra ...	31	32	8	31	34	25	15	5	36	79	26	17	8	50	113	29
Abdin ...	8	30	12	16	8	11	19	6	25	26	15	12	5	35	43	13
Qerabia ...	—	15	24	10	46	2	6	16	23	38	1	15	25	75	63	—
Nasria ...	9	11	4	4	13	6	2	8	9	28	11	6	15	17	29	19
Nahhassin ...	1	4	18	9	19	—	1	15	21	21	1	3	10	33	25	1
Port Said ...	18	13	7	10	29	8	13	2	13	36	3	10	3	21	52	4
Damietta ...	3	7	10	6	31	2	5	5	15	30	5	8	7	17	48	4
Suez ...	—	16	15	7	8	1	6	9	14	13	1	4	16	50	23	1
TOTAL ...	263	602	425	531	560	248	392	307	877	1,008	285	294	281	1,451	1,576	230
												135	188	1,175	1,517	



TABLE III *b*.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (Beginning of the Year).

CLASS.	Total number of pupils.	Total number of serious stages of Tra- choma I and II.	Per Cent.
First Year ... ..	2,381	1,027	43·13
Second Year ... ..	2,832	699	24·68
Third Year... ..	3,887	575	14·78
Fourth Year ... ..	3,245	323	9·95

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

	TOTAL.	GRAND TOTAL.	Per Cent.
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	2,145		
(b) Vision 6/6 and 6/9 or 6/9 and 6/9 ... ..	3,426	5,571	45·12
Fair Vision :—			
(a) Vision 6/6 and 6/12, 6/9 and 6/12 or 6/12 and 6/12 ... ..	2,608		
(b) Vision 6/6 and 6/18 ... ..	325	2,933	23·76
Bad Vision :—			
Fails to attain any of the above standards ... ..	3,842	3,842	31·12
TOTAL ... ..	12,346	12,346	

TABLE V.—SPECTACLES ORDERED.

	Tanta.	Asyût.	Mansûra.	Beni Suef.	Zagazîg.	Damanhûr.	Shibîn el Kôm.	Suhâg.	Minya.	Faiyûm.	Giza.	Benha.	Moharram Bey.	Abbâsiya.	Mohammad Aly.	Ras el Tin.	Qena.	Munira.	Mohamma- diya.	Gamâliya.	Abbâs.	Bab El Sharia	Shubra.	Abdm.	Qerabia.	Nastria.	Nahhasin.	Port-Said.	Damietta.	Suez.	TOTAL.
Number of pupils now attending ob- tained spectacles in previous years	28	25	15	25	40	14	9	28	18	23	20	20	20	21	12	34	10	10	8	3	14	6	31	5	21	12	2	18	6	10	496
Number of pupils now attending ob- tained spectacles this year ...	17	5	8	12	8	2	9	4	2	9	2	1	6	5	9	9	5	8	15	6	13	11	9	8	10	1	7	6	2	2	211
Number of pupils now attending or- dered spectacles but not yet ob- tained ...	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
TOTAL ...	45	30	23	39	48	16	18	32	20	32	22	21	14	26	21	43	15	18	23	9	27	17	40	13	31	13	9	24	8	12	709
Spectacles on order or under repair ...	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4
Number of pupils wearing spectacles on date of gene- ral inspection ...	43	22	19	30	42	16	18	32	20	32	21	21	12	25	21	39	15	18	23	9	26	15	39	12	31	13	9	20	6	12	661
Net number not wearing spectacles which were pre- viously ordered	2	8	4	5	6	—	—	—	—	—	1	—	2	1	—	4	—	—	—	—	1	2	1	1	—	—	—	4	2	—	44



TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES WHO BY USE OF SPECTACLES NOT GREATER IN STRENGTH THAN  $\pm 6$  DIOPTRES CAN GET GOOD OR FAIR VISION.

	TOTAL.	GRAND TOTAL.	Per Cent.*
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	46		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9 ... ..	131	177	24·97
Fair Vision :—			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12 or 6/12 and 6/12... ..	191		
(b) Vision 6/6 and 6/18... ..	24	215	30·32

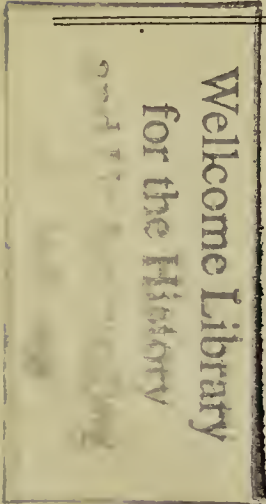
\* The percentage is taken in relation to the number of all pupils ordered spectacles (i.e. 709). See Table V.

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOL.	Both Corneæ clear.	One Cornea clear the other showing Opacity.	Opacity of both Corneæ.
Tanta ... ..	582	57	19
Asyût ... ..	543	18	6
Mansûra ... ..	630	47	19
Beni Suef ... ..	462	27	6
Zagazîg ... ..	591	33	11
Damanhûr ... ..	296	29	7
Shibîn el Kôm ... ..	158	19	6
Suhâg ... ..	169	42	80
Minya ... ..	302	13	2
Faiyûm ... ..	275	19	13
Gîza ... ..	298	23	10
Benha... ..	340	24	13
Moharram Bey ... ..	295	3	2
Abbasîya ... ..	584	13	8
Mohammad Aly ... ..	617	15	6
Râs el Tîn... ..	540	11	3
Qena ... ..	165	11	11
Munîra ... ..	483	24	20
Mohammadîya ... ..	445	25	8
Gamâlîya ... ..	185	10	2
Abbâs... ..	479	14	7
Bab el Shaaria ... ..	256	7	6
Shubra ... ..	660	8	—
Abdîn ... ..	370	11	6
Qerabia ... ..	483	14	8
Nasria ... ..	255	12	1
Nahhasin ... ..	215	9	5
Port Said ... ..	311	4	2
Damietta ... ..	260	8	—
Suez ... ..	236	18	6
TOTAL ... ..	11,485	568	293
Per cent ... ..	93·03	4·6	2·37

TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1928-1929.

YEAR.	Both Corneæ clear.	One Cornea clear, the other showing Opacity.	Opacity of both Corneæ.
1914-1915	173	54	33
1927-1928	582	57	19



**Government Press**  
2253-1929-1,470 ex.





